



Sea Viking 06

***Distributed Operations
Live Force Experimentation***

25 Feb 05

**Marine Corps Warfighting
Lab**

The Sea Viking Experimentation Campaign

- **Commanding General, Marine Corps Combat Development Command coordinated**
 - **Dual axis attack on Naval transformation**
 - **Two pathways integrated by a common vision**

Early Concept

Conceptual Pathway

- Lead: Expeditionary Force Development Center
- Concepts and capabilities **developed and assessed via modeling, simulation and wargames**



Fleet Experiment

Live Experimentation Pathway

- Lead: Marine Corps Warfighting Lab
- Concepts and capabilities **assessed via physical experimentation** of prototypes, tactics, training and organization



Implementation Planning and Coordination

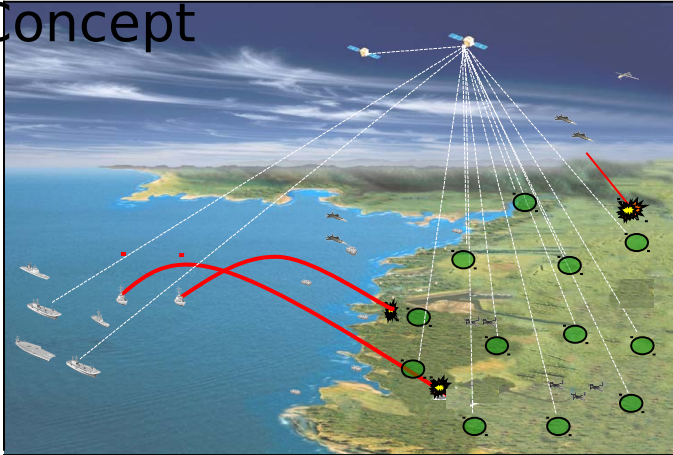
Wargaming

Warfare Capabilities



Sea Viking 06 DO Experimentation

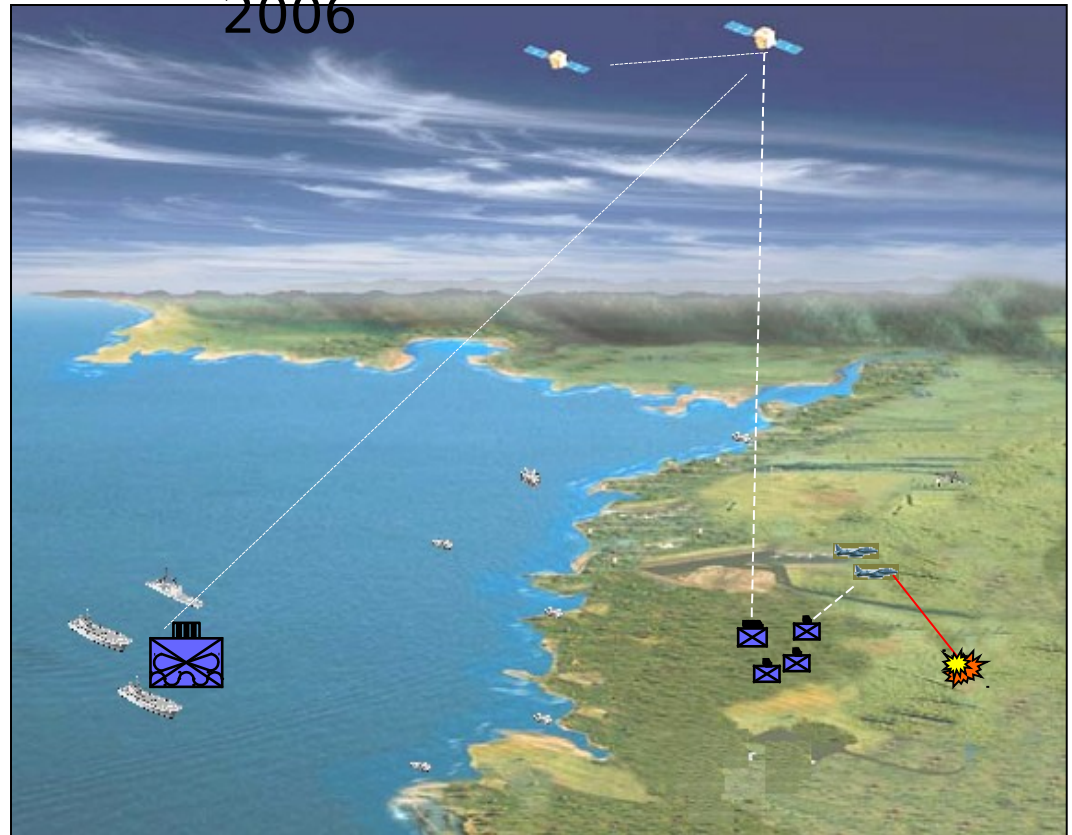
Distributed Operations Concept



Distribution of Forces



Distributed Operations 2006



Distribution of Capabilities and Authority

Primary Task: Prepare a rifle platoon for employment as a DO force, with a deploying MAGTF, by the end of 2006.



Additive Capabilities

- **Locate**

- Enhanced day/night observation equipment
- Enhanced patrolling skills
 - Area and zone reconnaissance
 - Mounted and dismounted combat patrols



- **Close with**

- Internally transportable vehicles
- Increased navigation and communication capability
- Facilitate link up and maneuver of follow on forces

- **Destroy**

- Enhanced Fire Team and Squad close combat capabilities
 - Close in lethality and Engagement Ranges
- Terminal control of joint fires

Better enable Marines to fight and win the Global War on Terrorism



LOE 1 Training Phase

- **General:**

- Build upon existing Marine Corps Training and MCWL experience: USMC Schools, T & R Manuals – “Collective Training Standards - Level Changes”, BUST/SASO

- **Method:**

- Schools Phase: Train leaders and selected individuals in fundamentals and special skills
- Small Unit Enhancement Training (SUET): Training package to prepare the unit for the LOE

- **Emphasis:**

- Reinforce fundamentals: combat patrolling, navigation, medical, communications, etc.
- Enhance Small Unit skills and capabilities
 - Patrolling over extended ranges / mounted and dismounted
 - Surveillance and Reconnaissance
 - Close Air Support / Indirect Fires
 - Facilitation of Follow-on Forces



The Rifleman's Suite



M-16A4 Service Weapon



Personal Role Radio



Day RCO



Night RCO

**Surrogate for
Day/Night RCO**



Bayonet



Suppressor



White/IR Light



Bipod



Compass

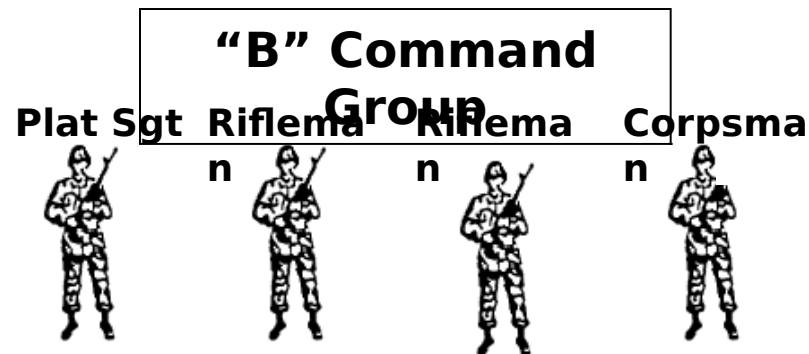
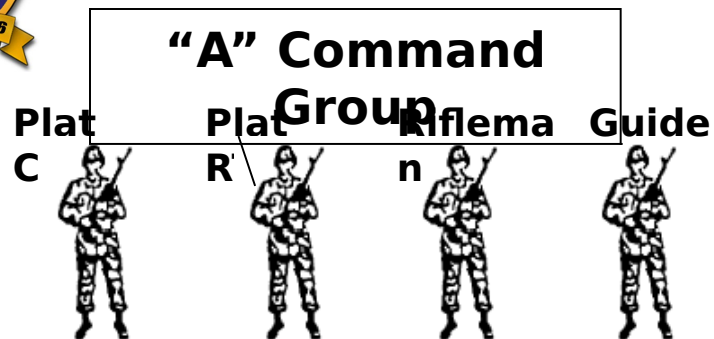
**SL-III to M-16A4
Tailored to Mission**



Collapsing Stock



DO Platoon Organization



SQUAD C2



TEAM 1



TEAM 2



SQUAD C2



TEAM 1



TEAM 2



SQUAD C2



TEAM 1



TEAM 2

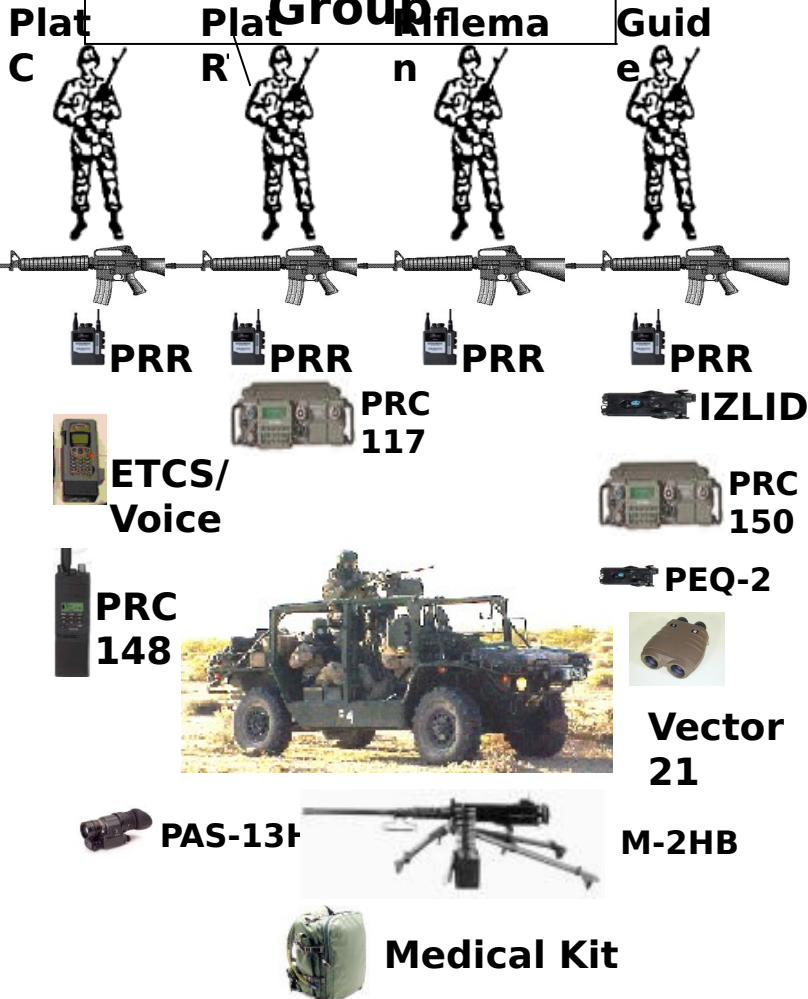


Capable of integrating attachments as necessary

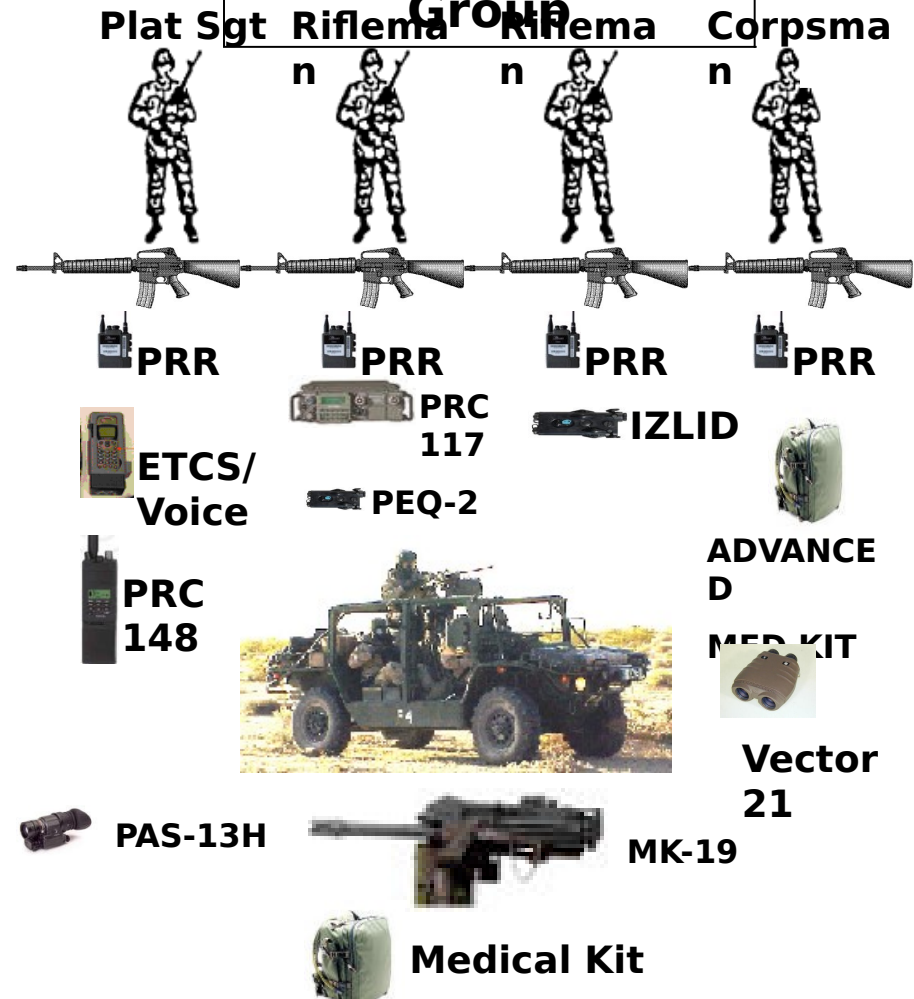


Platoon Command Group Equipment

"A" Command Group



"B" Command Group





Squad Equipment

SQUAD C2



Vector
21

TEAM 1



PAS-
13H



PVS-17



PAS-
13H



GLTD
II



Medical
Kit





Distributed Operations

Small Unit Enhancement Training Package

- Pre-mission Requirements of 3rd Marines and 1/3
 - Unit is OPCON to MCWL
 - IOC, IULC, ISLC...Combat Lifesaver, Driver and TACP
 - MCDP-1 and Publications Package read prior to arrival
- Principles of the Package
 - Invest in the Small Unit Leader as we do our Lts
 - Total freedom to find the best resources available
 - The Marine is our weapon, Patrolling is our mechanism, and
 - a more lethal platoon is our objective
 - Similar to MCMAP program: instruction,
 - demonstration, practical application and examination



Distributed Operations

Small Unit Enhancement Training Package

- 40 day package, 30 days in the field
 - Week 1: Classes and Gear Familiarity
 - Week 2: Land Nav
 - Week 3: Comm
 - Week 4: Patrolling
 - Week 5: Vehicle Mounted Patrolling
 - Week 6: Fires, Direct and Indirect
 - Week 7: FEX
- Concurrently, NCOs supervise GRUNTSTAKES
- Time built in to focus on Fighter Leadership and “battle craft” at all levels



Specific (additive) Tactical Capabilities of a DO Platoon vs Current Rifle Platoon

- **Conduct mounted and dismounted combat patrols at extended ranges**
- **Interdict and/or destroy enemy forces**
 - **Direction of Fire Support Assets (JTAC)**
 - **Direct assault (greater lethality - increased ranges and close assault)**
- **Secure and Hold Key Terrain (at extended ranges)**
 - **LZ, Bridge, Road Junction, Hill top, etc.**
- **Conduct ITG and provide guides to the Main Force**
- **Conduct tactical preparations in support of the Main Force**
 - **Provide a “skeleton” to fall in on (i.e. SBF position)**
 - **Provide an in-position Fire Support Team to assault elements**
- **Conduct zone reconnaissance patrols in greater depth and breadth**



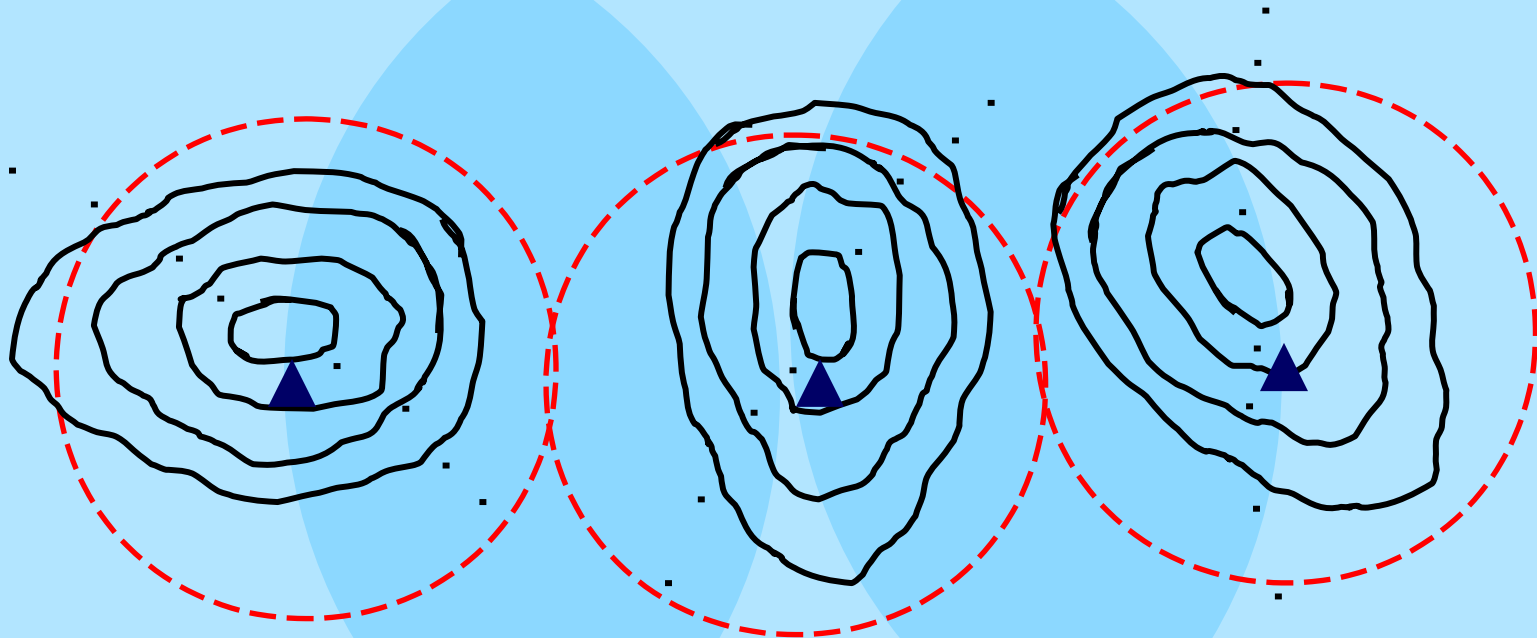
Employment Considerations

- Platoon capability vice fully independent squads
 - Squads capable of greater dispersion in defense and ISR role
 - Platoon required for most offense operations
 - Potential attachments: HET, SIGINT, Language Translators
- Able to engage at distance or up close
 - PID/LIT
- Not capable of specialized clandestine insert
- Mobility vs. vulnerability
- 24/7 fires
- Expected to operate up to 14 days
 - Re-supply required every 2 days
- Vertical employment causes significant impact on ACE



Detection and Direct Fire Engagement (Day)

Current T/E Infantry Platoon



**Engagement Range: 1000m
(M-249)**

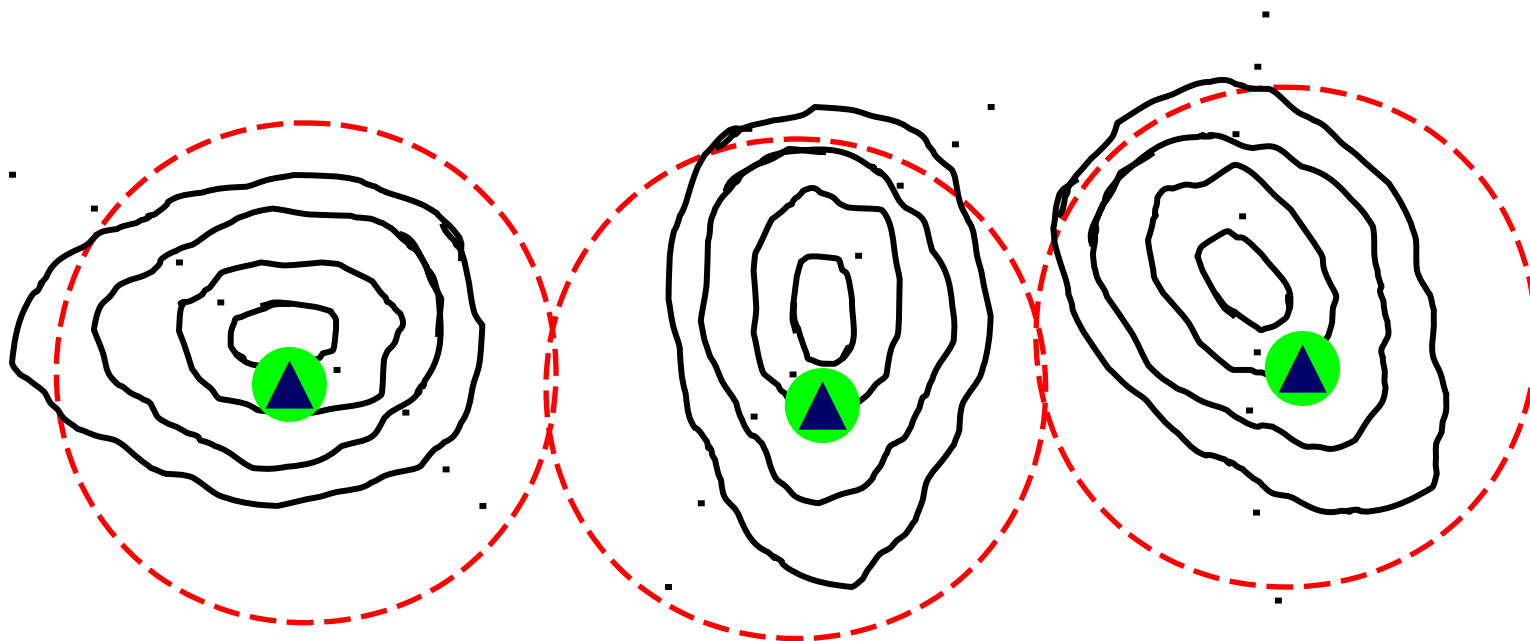


**Detection Range (Day): 2000m
(M22 Binos)**



Detection and Direct Fire Engagement (Night)

Current T/E Infantry Platoon



**Engagement Range: 1000m
(M-249)**

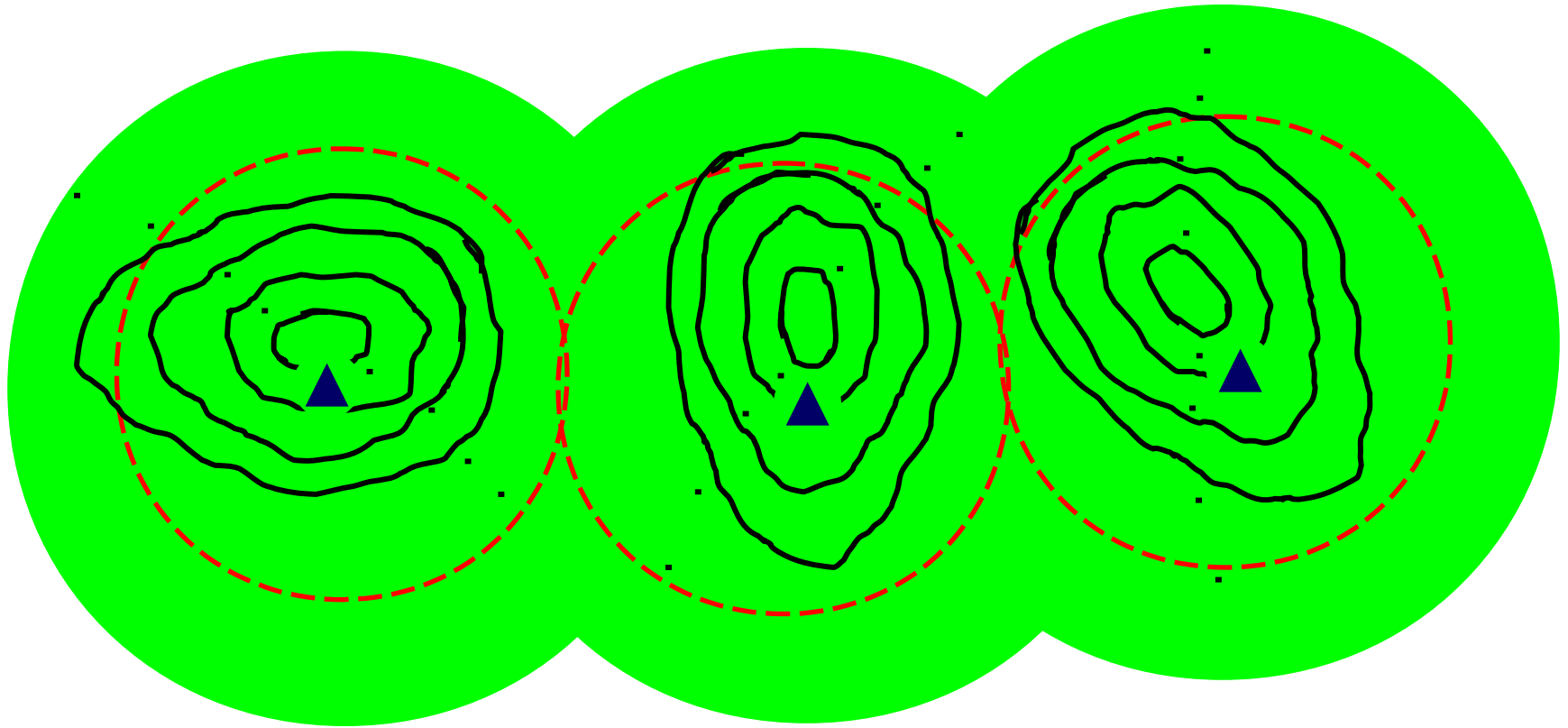


**Detection Range: 150m (PVS-
14)**



Potential Detection and Direct Fire Engagement (Night)

Distributed Operations Platoon



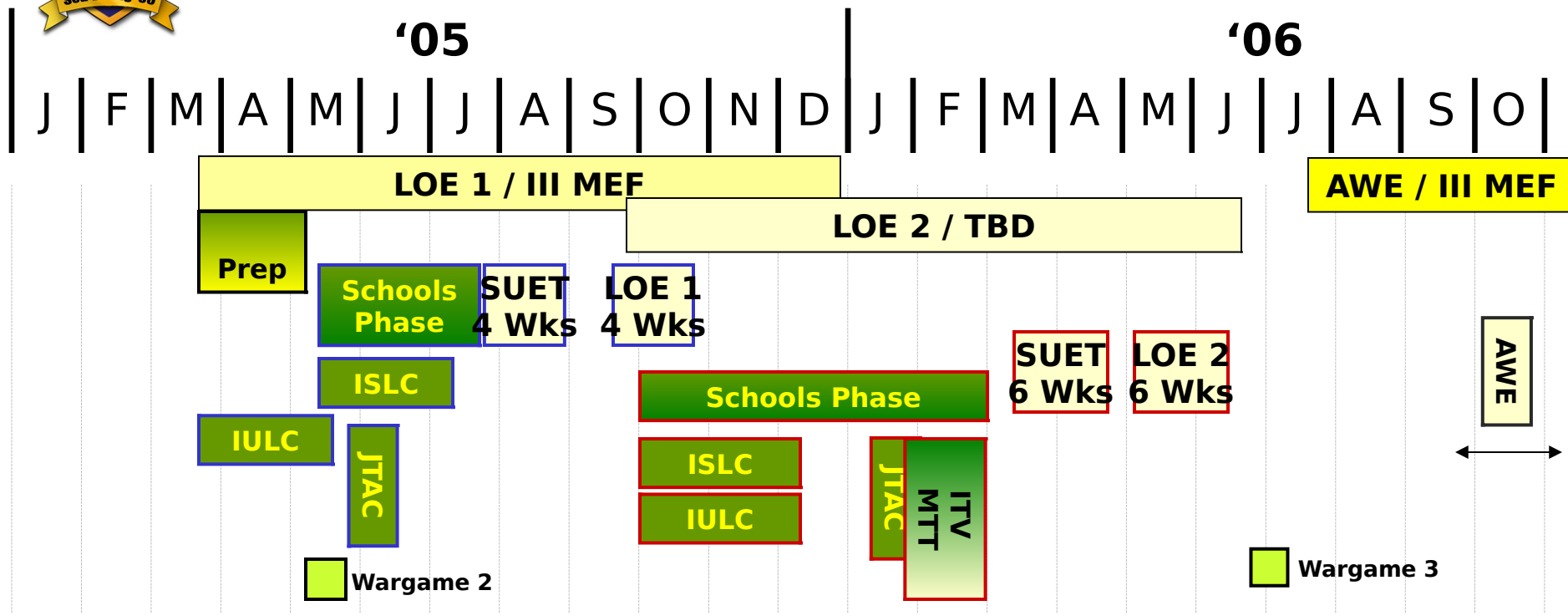
Engagement Range: 1000m
(M-249)



Detection Range (Night): 1500m
(Night Rifle Optic)



SV 06-DO Timeline



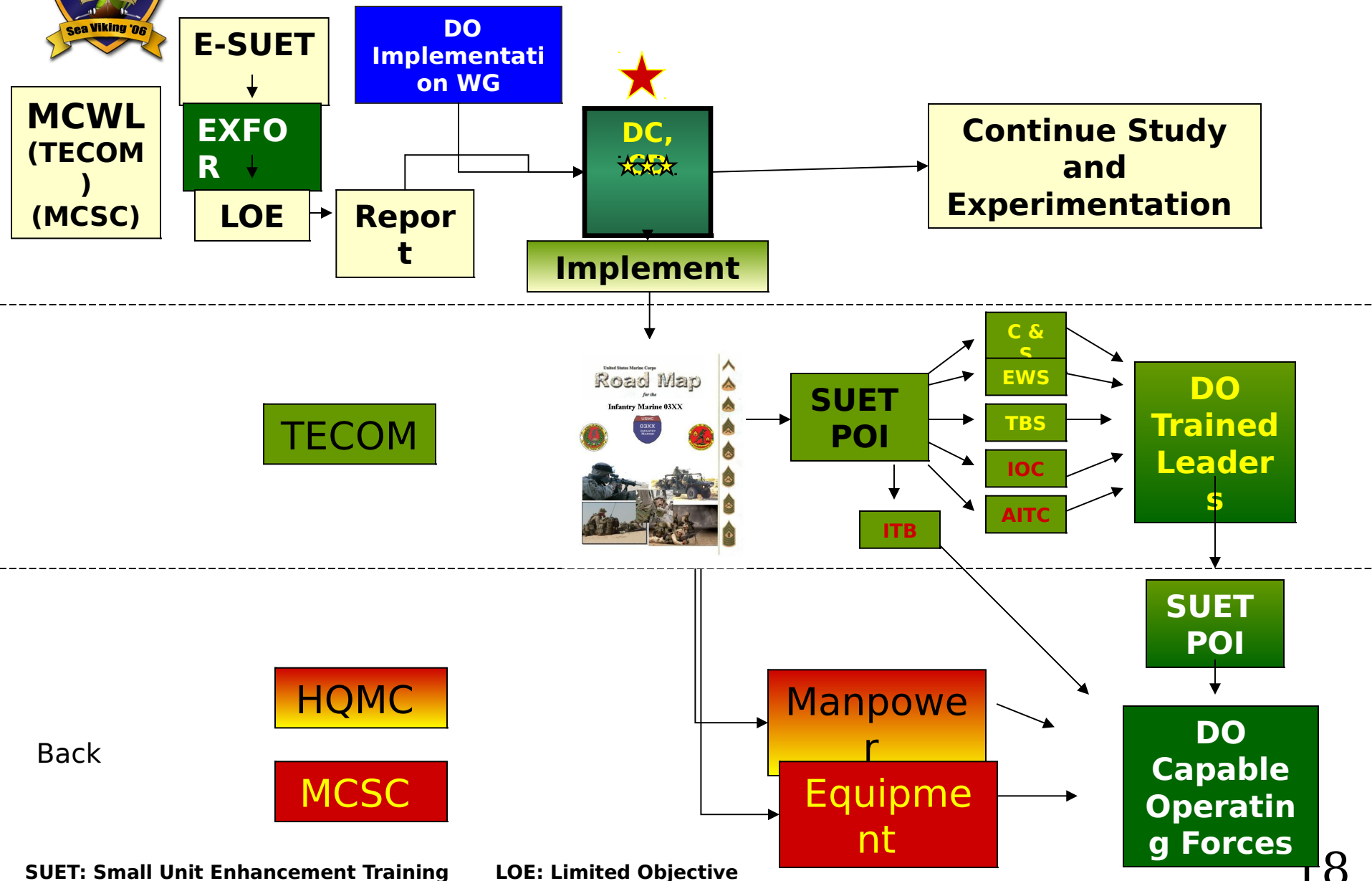
Legend

ISLC	Infantry Squad Leaders Course
IULC	Infantry Unit Leaders Course
JTAC	Joint Terminal Air Controller Course
LOE	Limited Objective Experiment
AWE	Advanced Warfighting Experiment

- LOE 1 Schools Phase: MCB CPEN, EWTGPAC
- LOE 2 Schools Phase: MCB CPEN, EWTGPAC
- LOE 1 Small Unit Enhancement Training (SUET): Hawaii
- LOE 2 SUET: **TBD**
- LOE 1: MWTC, 29 Palms
- LOE 2: **TBD**
- AWE: WESTPAC



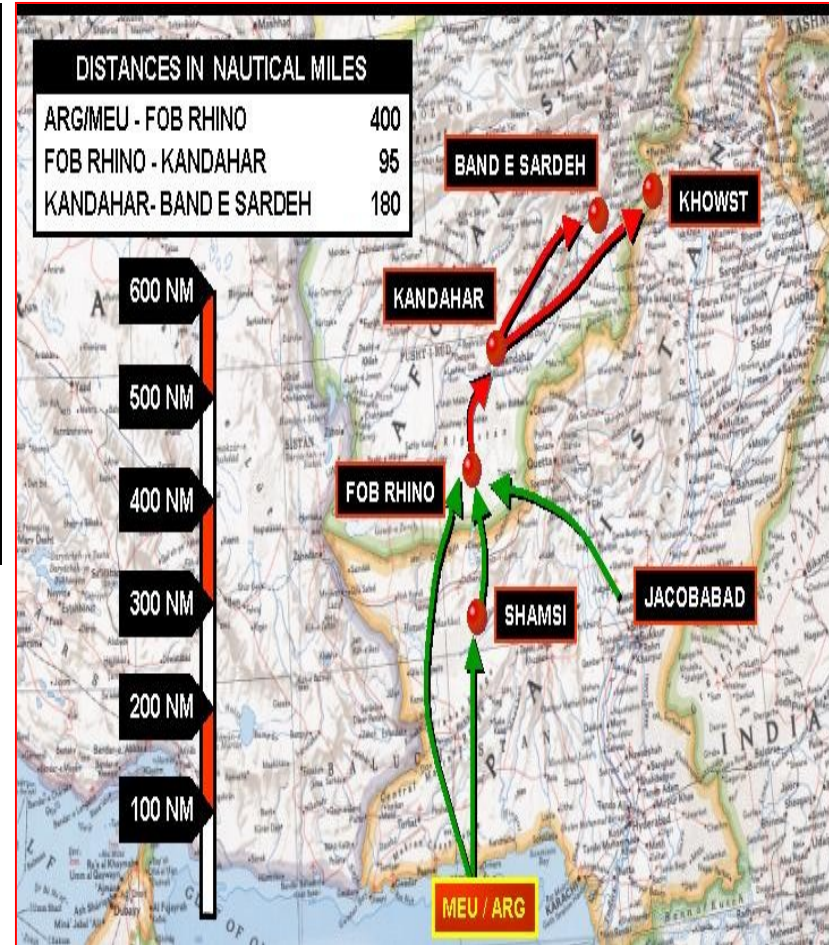
Transition to Capability





Distributed Operations are not new...

- Maneuver Warfare
- Reverse DOD trend... Technology
- Decentralized Execution
- Better Fight the GWOT
- Better Capitalize on human capital
- Transform how we “train, equip and employ” Marine infantrymen



... but we need to do them better



Semper Fidelis